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DIALOG(R)File 489:The News-Sentinel
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05774037

BAR CODES SAVE MAILING COSTS

News-Sentinel (NS) - Monday, October 1, 1990

By: DOUG LEDUC OF THE NEWS-SENTINEL

Edition: FINAL Section: BUSINESS MONDAY Page: 38

word Count: 377

TEXT:

Businesses that do a lot of mailing may soon be able to trim thousands of dollars from their annual postage costs with a new software package.

The software upgrades a business's computerized mailing system to bar code the mail, said Michael West, a U.S. Postal Service spokesman in Washington, D.C.

It costs about \$200, but the post office is offering a 19 percent price break on postage for mail that is bar-coded, said West.

And when the standard rate for first-class mail goes to 30 cents in February, the rate for bar-coded mail is expected to be 24.3 cents.

The software stamps a postal bar code, a 2.5-inch strip of short vertical lines similar to a standard product identification code, on the lower right-hand corner of an envelope.

Sorter machines read the code at the post office with an optical scanning device, and the mail is then channeled to appropriate sorting bins.

Mail carriers do a final sorting before making deliveries.

Two workers can sort 37,000 pieces of mail an hour using a bar-code sorter, said Walt Hess, operations services director for the local post office. The post office has three bar-code sorters, the latest arriving in July. The machines are replacing equipment that requires 17 workers to sort about the same amount of mail. Sorting using bar codes costs \$3 per thousand letters, and \$15 per thousand without, said Hess.

The technology is particularly helpful during a heavy processing period, between 3 a.m. and 5 a.m., Hess said.

Dawn Partridge, marketing director for the Fort Wayne post office, said most bar coding is done by the postal service, but monetary incentives are likely to change that.

Businesses that don't undertake their own bar coding may arrange to have larger companies do it for them in return for a percentage of the rate discount, Partridge said.

To make mail easier for the postal service to bar code, it will be mailing a "Your Guide to Complete Addressing" brochure next month, she said.

CAPTION:

PHOTO

Postal workers Scott Vanlandingham, left, and Warren Keller operate new high-speed equipment that uses bar codes to sort mail. Automation of postal service should be complete by 1992. Photo by Argil Shock Of The News-Sentinel

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?

? show files;ds

File 148:Gale Group Trade & Industry DB 1976-2005/Oct 06
(c)2005 The Gale Group

File 180:Federal Register 1985-2005/Oct 06
(c) 2005 format only DIALOG

File 324:German Patents Fulltext 1967-200539
(c) 2005 Univentio

File 340:CLAIMS(R)/US Patent 1950-05/Oct 04
(c) 2005 IFI/CLAIMS(R)

File 348:EUROPEAN PATENTS 1978-2005/Sep w04
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050929,UT=20050922
(c) 2005 WIPO/Univentio

File 489:The News-Sentinel 1991-2005/Oct 05
(c) 2005 Ft. Wayne Newspapers, Inc

File 654:US Pat.Full. 1976-2005/Oct 04
(c) Format only 2005 Dialog

| Set | Items | Description |
|-----|-------|---|
| S1 | 12 | (MAIL OR MAILPIECE? ? OR POSTAGE)(8N)(FRANK? OR STAMP?)(20-N)(IDENTIFICATION()CODE) NOT PY>2001 |
| S2 | 12 | RD (unique items) |

? t2/3,k/all

2/3,k/1 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08656025 SUPPLIER NUMBER: 18179526 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IRS testing asks taxpayers to sign on the on-line dotted line. (Government Activity)(Brief Article)

McCarthy, Shawn P.

Government Computer News, v15, n7, p1(2)

April 1, 1996

DOCUMENT TYPE: Brief Article ISSN: 0738-4300 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 412 LINE COUNT: 00034

... form's "claimed ID" can include the signature and other data such as an e-mail address or digital identification code and a time-stamp

The PenOp software runs on any Microsoft windows computer and can be integrated with other...

2/3,k/2 (Item 1 from file: 180)

DIALOG(R)File 180:Federal Register
(c) 2005 format only DIALOG. All rts. reserv.

DIALOG Accession Number: 03056550 Supplier Number: 65242100

Changes to the Domestic Mail Manual to Implement Docket No. R2000-1

Volume: 65 Issue: 242 Page: 78538

CITATION NUMBER: 65 FR 78538

Date: Friday, December 15, 2000

TEXT:

...5-digit or BMC rates based on a minimum of 1,000 cubic inches of mail is deleted; however, the eight-piece or 20-pound minimum per 5-digit sortation level and the four-piece or 20-pound minimum per BMC sortation level is retained.

(4) Postage Payment (DMM P700)

DMM P700 is amended to clarify that precanceled stamps may not be used for payment of Media Mail postage.

10. Library Mail

a. Library Mail Rate Highlights

Library Mail rates will increase by an...

2/3,K/3 (Item 1 from file: 324)
DIALOG(R)File 324:German Patents Fulltext
(c) 2005 Univentio. All rts. reserv.

0003770279 **Image available**
Franking machine and procedure for the release of a franking machine
Frankiermaschine und Verfahren zur Freigabe einer Frankiermaschine
Patent Applicant/Assignee:
Francotyp-Postalia AG &Co, 16547 Birkenwerder, DE
Inventor(s):
Wagner Andreas, 13503 Berlin, DE
Zarges Olav A, 13353 Berlin, DE
Patent and Priority Information (Country, Number, Date):
Patent: DE 10023145 A1 20011115
Application: DE 10023145 20000512
Priority Application: DE 10023145 20000512 (DE 10023145)
Publication Language: German
Fulltext Word Count (English): 2427
Fulltext Word Count (German) : 1882
Fulltext Word Count (Both) : 4309

Fulltext Availability:
Description (English machine translation)

Description (English machine translation)
... with well-known post
office working on systems, in order to register data over registered
franking machines and to reload for example also postage values over
a
tele-call line for the production of franking into a local franking
machine. To this data center the identification code will
transfer according to invention, in order to register there the
current location of the...

2/3,K/4 (Item 2 from file: 324)
DIALOG(R)File 324:German Patents Fulltext
(c) 2005 Univentio. All rts. reserv.

0003744030 **Image available**
Franking procedure and device
Frankiervorrichtung und -vorrichtung
Patent Applicant/Assignee:
Francotyp-Postalia AG &Co, 16547 Birkenwerder, DE
Inventor(s):
Bleumer Gerrit, 16727 Velten, DE
Patent and Priority Information (Country, Number, Date):
Patent: DE 19958721 A1 20010712
Application: DE 19958721 19991206
Priority Application: DE 19958721 19991206 (DE 19958721)
Publication Language: German
Fulltext Word Count (English): 7376
Fulltext Word Count (German) : 6269
Fulltext Word Count (Both) : 13645

Fulltext Availability:
Description (English machine translation)

Description (English machine translation)
... essentially a charge counter and a user are arranged
individual coding module, with which the stamp fee and a further
machine-readable data stamp, so-called "Indizium" are produced.
Franking a piece postage such Indizium becomes from the postage
which can be franked, an identification code of the safety
equipment,
the return address by the safety equipment, which current charge
counter...

2/3,K/5 (Item 1 from file: 340)
DIALOG(R)File 340:CLAIMS(R)/US Patent
(c) 2005 IFI/CLAIMS(R). All rts. reserv.

10041915 2001-0042053
E/POSTAGE METER MACHINE, AND METHOD AND SYSTEM FOR ENABLING A POSTAGE METER
MACHINE
Inventors: Wagner Andreas (DE); Zarges Olav A (DE)
Assignee: Francotyp-Postalia AG & Co DE
Assignee Code: 13290

| Publication Number | Kind | Date | Application Number | Date |
|-----------------------|------|----------|-----------------------|----------|
| US 20010042053 | A1 | 20011115 | US 2001855120 | 20010514 |
| | | | DE 10023145 | 20000512 |

Priority Applic:

Abstract: In a method and system for enabling a postage meter machine for franking postal matter, the postage meter machine having a base unit, a meter for the control and debiting of franking, and a printer unit, with an identification code, in order to satisfy the postal requirements of treating the printer unit like a meter...

...even when it is located outside the meter, as well as to prevent manipulations, the postage meter machine, after the coupling of base unit and meter and before initialization, is coupled to the data center, and that the identification code is transmitted to the data center. An enable code is transmitted from the data center to the postage meter machine for enabling the postage meter machine to generate frankings.

Exemplary Claim:

D R A W I N G

1. A method for enabling a postage meter machine for franking postal matter comprising the steps of: providing a base unit with a printer unit, having an identification code, for printing franking imprints on postal matter respectively representing monetary values that are debited in an accounting unit...

...machine, establishing communication between said postage meter machine and a data center remote from said postage meter machine and transmitting said identification code from said postage meter machine to said data center; at said data center, evaluating said identification code and, if said identification code is valid, transmitting an enable code from said data center to said postage meter machine; and allowing said postage meter machine to frank postal items only after said enable code is transmitted to said postage meter machine.

Non-exemplary Claims: ...8. A system for franking postal items, comprising: a postage meter machine comprising a meter coupled to a base unit, with a printer unit in communication with said meter for producing franking imprints on postal items with respective values of said franking imprints being debited in an accounting unit in said meter, said printer unit having an identification code; a data center located remote from said postage meter machine; said postage meter machine having a communication arrangement which, after coupling said meter to said base unit...

...11. A postage meter machine comprising: a base unit; a meter coupled to said base unit and a printer unit in communication with said meter, said printer unit producing franking imprints on postal items with respective franking values debited in an accounting unit in said meter, said printer unit having an identification code; a communication arrangement adapted to establish communication between said postage meter machine and a data center remote therefrom which, after coupling said base unit and said meter and before initialization of said meter, transmits said identification code to said data center; and an enabling circuit allowing said printer unit to generate said franking imprints only after receipt of an enable code at said postage meter machine from said data center in response to transmission of said identification code.

2/3,K/6 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00314249

Franking machine system.
Frankiermaschinensystem.
Système de machine a affranchir.

PATENT ASSIGNEE:

NEOPOST LIMITED, (1473691), South Street, Romford, Essex RM1 2AR, (GB),
(applicant designated states: DE;FR;GB)

INVENTOR:

Gilham, Dennis Thomas, 12 Larkin Close, Brentwood Essex CM13 2SL, (GB)

LEGAL REPRESENTATIVE:

Loughrey, Richard Vivian Patrick et al (33265), HUGHES CLARK & CO 114-118
Southampton Row, London WC1B 5AA, (GB)

PATENT (CC, No, Kind, Date): EP 298776 A2 890111 (Basic)
EP 298776 A3 890726
EP 298776 B1 930929

APPLICATION (CC, No, Date): EP 88306278 880708;

PRIORITY (CC, No, Date): GB 8716184 870709

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07B-017/02; G06F-015/21;

ABSTRACT WORD COUNT: 97

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 649 |
| CLAIMS B | (German) | EPBBF1 | 525 |
| CLAIMS B | (French) | EPBBF1 | 821 |
| SPEC B | (English) | EPBBF1 | 3250 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 5245 |
| Total word count - documents A + B | | | 5245 |

...SPECIFICATION new value is checked against authorised limits and account status and if this is found to be acceptable the computer utilises the encryption key to encrypt a data block to be returned to the controller. This data block contains a new transaction identification code generated by a pseudo-random number generator such as a linear feed shift register, the new postage credit payment value and checking data. The controller on receipt of this encrypted data block...

2/3,K/7 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00568320 **Image available**

METHOD AND DEVICES FOR PRINTING A FRANKING MARK ON A DOCUMENT
PROCEDE ET DISPOSITIFS POUR IMPRIMER UNE MARQUE D'AFFRANCHISSEMENT SUR UN DOCUMENT

Patent Applicant/Assignee:

PTT POST HOLDINGS B V,
WESSELING Hennie,
BRANDT Dick,
VAN HALDEREN Antonius Johannes Franciscus,
PIETERSE Rob,
VAN GOLDEN Niels Alexander,
GERLOFS Johannes Francis,

Inventor(s):

WESSELING Hennie,
BRANDT Dick,
VAN HALDEREN Antonius Johannes Franciscus,
PIETERSE Rob,
VAN GOLDEN Niels Alexander,
GERLOFS Johannes Francis,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200031693 A1 20000602 (WO 0031693)
Application: WO 99EP9170 19991119 (PCT/WO EP9909170)
Priority Application: NL 1010616 19981120

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE

GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA
GN GW ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 10786

Fulltext Availability:
Detailed Description

Detailed Description
... mark on a document.

The present invention is related to a method for printing a franking mark on a document, comprising the following steps.

- a. making available a unique bit string;
- b. establishing an identification code ;
- c. securely printing said franking mark on the document, said franking mark at least comprising information relating to the bit string and the identification code .

" Franking mark" here refers, for example, to an electronic postage stamp , that is to say a mark printed on a postal article by a franking machine or a printer, which inter alia can represent a franking value for said postal...

...Device (PSD)
Specification". both dated 23 July 1997 (draft documents).

With such a method, electronic postage stamps can be obtained and printed on postal articles. The device, for example a computer, with which the electronic postage stamp is printed is thereto provided with a Postal Security Device (PSD), to which a unique identification code is related. The electronic postage stamp comprises various elements, of which a few are mentioned as "security critical": the identification code of the PSD, the value of the contents of an incremental register, the franking value of the postal article and a digital signature. The contents of the incremental register represent the total monetary value of all hitherto printed electronic postage stamps with the related PSD. The combination of identification code and the contents of the incremental register represents a unique bit string per postal article...

...printer
35 prints a two-dimensional bar code, after which the value of the printed " postage stamp" is debited from the total franking value is debited in the postal security device.

According to the publication of J. Quittner, the electronic postage stamp in the system of E- Stamp comprises 5 in any case an identification code of the user, an identification code of the postal security device, the franking value, the delivery type (for example by express delivery), the sender's address and the date. The electronic postage stamp can further also contain data related to the sending company, and room is provided for...and determines the maximum number of times that the unique bit string for printing the franking mark on documents may be used, or which represents a monetary value that may be expended for electronic postage stamps , can also be used.

The identification code can comprise a user identification code and/or a printer identification code .

The user identification code , for example, can contain at

least the number of the bank/ATM card of the...form of a two dimensional bar code 28, which contains further, possibly encoded, information. Said franking mark 28 shall at least contain a unique bit string, of which the use will be explained further on, and an identification code. The identification code identifies the user, i.e. the person who purchased the electronic postage stamp, and/or the device with which the franking mark is printed. If the identification code is coupled to the printing device, this can, for example, be a unique code associated with said SAM 19. In that case, the owner of the franking machine is responsible for possible fraude with the use of electronic postage stamps.

As identification code for the user, the number of said bank card 16 can be used. The bank...used.

Alternatively, the counter can represent a monetary value which can be expended on electronic postage stamps. The user can enter the counter value via the keys of the 2 0 keyboard 10.

In step 260, said processor 4 generates MAC1 on the basis of the identification code of the user, the franking number issued and the counter value. Alternatively, said data can be stored in encoded form...

...franking machine 20 waits until the customer has submitted a request for printing an electronic postage stamp. Said step corresponds to step 302 in Fig.

3a.

As soon as the customer has submitted this request, the franking machine reads either MAC1 with identification code, franking number and counter value, or said data in encoded form, from the franking card 18. This takes place in step 354.

is In step 356, the processor 23...card 18, calculates MAC2 on the basis of all data which are included in the franking mark, among which: the identification code, the unique franking number, the actual balance and the postage costs.

As an alternative for calculating a second MAC, MAC2, said data can be encoded...

2/3,K/8 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00568319 **Image available**

METHOD AND DEVICES FOR PRINTING A FRANKING MARK ON A DOCUMENT
PROCEDE ET APPAREIL D'IMPRESSION D'UNE MARQUE D'AFFRANCHISSEMENT SUR UN DOCUMENT

Patent Applicant/Assignee:

PTT POST HOLDINGS B V,
WESSELING Hennie,
BRANDT Dick,
VAN HALDEREN Anthonius Johannes Franciscus,
PIETERSE Rob,
VAN GOLDEN Niels Alexander,
GERLOFS Johannes Francis,

Inventor(s):

WESSELING Hennie,
BRANDT Dick,
VAN HALDEREN Anthonius Johannes Franciscus,
PIETERSE Rob,
VAN GOLDEN Niels Alexander,
GERLOFS Johannes Francis,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200031692 A1 20000602 (WO 0031692)

Application: WO 99EP9090 19991119 (PCT/WO EP9909090)

Priority Application: NL 1010616 19981120; NL 1011270 19990210

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA
GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext word Count: 12409

Fulltext Availability:

Detailed Description

Detailed Description

Method and devices for printing a franking mark on a document.

The present invention is related to a method for checking a franking mark, that at least comprises an identification code and a unique bit string.

"Franking mark" here refers, for example, to an electronic postage stamp, that is to say a mark printed on a postal article by a franking machine or a printer, which inter alia can represent a franking value for said postal...

...Device

(PSD) Specification", both dated 23 July 1997 (draft documents).

With such a method, electronic postage stamps can be obtained and printed on postal articles. The device, for example a computer, with which the electronic postage stamp is printed is thereto provided with a Postal Security Device (PSD), to which a unique identification code is related. The electronic postage stamp comprises various elements, of which a few are mentioned as "security critical": the identification code of the PSD, the value of the contents of an incremental register, the franking value of the postal article and a digital signature. The contents of the incremental register represent the total monetary value of all hitherto printed electronic postage stamps with the related PSD. The combination of identification code and the contents of the incremental register represents a unique bit string per postal article...

...issued a command to

print an electronic postage stamp on a postal article, an electronic postage stamp is downloaded and the printer prints a two-dimensional bar code, after which the value of the printed "postage stamp" is debited from the total franking value in the postal security device.

In the system of E-Stamp, the electronic postage stamp according to the publication of J. Quittner comprises in any case an identification code of the user, an identification code of the postal security device, the franking value, the delivery type (for example express delivery), the sender's address and the date. Further, the electronic postage stamp can also contain data related to the sending company and room is provided for possible...

...present invention is to provide a

method and a system which can check such electronic postage stamps.

The method according to the invention therefore comprises the following steps.

a. reading the franking mark,
b. decoding the franking mark,
c. checking whether the identification code is correct by comparing it with data stored in a memory,
20 d. checking...form of a two-dimensional bar code 28, which contains further, possibly encoded, information. Said franking mark 28 shall at least contain a unique bit string, the use of which will be explained further on, and an identification code. The identification code identifies the user, i.e. the person who purchased the electronic postage stamp, and/or the device with which the franking mark is printed. If the identification code is coupled to the printing device, this can, for example, be a unique code associated with said SAM 19. In that case, the owner of the franking machine is responsible for possible fraud with the use of electronic postage stamps.

As identification code of the user, the number of said bank card 16 can be used. The bank...used.

Alternatively, the counter can represent a monetary value which can be expended on electronic postage stamps. The user can enter the counter value via the keys of the keyboard 10.

In step 260, said processor 4 generates MAC1 on the basis of the identification code of the user, the franking number issued and the counter value. Alternatively, said data can be stored in encoded form an electronic postage stamp. Said step corresponds to step 302 in Fig.

3a.

As soon as the customer has submitted this request, the franking machine reads either MAC1 with identification code, franking number and counter value, or said data in encoded form, from the franking card 18. This takes place in step 354.

In step 356, the processor 23 checks...card 18, calculates MAC2 on the basis of all data which are included in the franking mark, among which: the identification code, the unique franking number, the actual balance and the postage costs.

As an alternative for calculating a second MAC, MAC2, said data can be encoded...

2/3,K/9 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00390588 **Image available**

A METHOD AND APPARATUS FOR POSITIVE IDENTIFICATION, VALIDATION OF STATUS AND CORRELATION OF BAR CODE INFORMATION INCLUDING SECURE IMAGE CAPTURE AND CHARACTER RECOGNITION

PROCEDE ET APPAREIL POUR IDENTIFICATION POSITIVE, VALIDATION D'ETAT ET CORRELATION D'INFORMATION RELATIVE A UN CODE A BARRES, COMPORTANT UNE SAISIE DE DONNEES SECURISEE ET UNE RECONNAISSANCE DE CARACTERES

Patent Applicant/Assignee:

ERUDITE TECHNOLOGY III INC,
CARTER Harold B Jr,

Inventor(s):

CARTER Harold B Jr,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9731331 A1 19970828

Application: WO 97US2170 19970226 (PCT/WO US9702170)

Priority Application: US 96605449 19960226; US 96609315 19960301

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU

Ginger R. DeMille

IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN GH KE LS MW SD SZ UG
AM AZ BY BG CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English
Fulltext word Count: 9810

Fulltext Availability:
Detailed Description

Detailed Description

... a note, a loan document, a mortgage, a stock certificate, a bond certificate, a food stamp, a postage stamp, a car title or comprise other exemplary form. The negotiable instrument may have appear on its front or reverse surface a bank identification code, personal identification data, serial number or other identification data which is visible to a reader...

2/3,K/10 (Item 1 from file: 489)
DIALOG(R)File 489:The News-Sentinel
(C) 2005 Ft. Wayne Newspapers, Inc. All rts. reserv.

05774037

BAR CODES SAVE MAILING COSTS
News-Sentinel (NS) - Monday, October 1, 1990
By: DOUG LEDUC OF THE NEWS-SENTINEL
Edition: FINAL Section: BUSINESS MONDAY Page: 3B
Word Count: 377

... for first-class mail goes to 30 cents in February, the rate for bar-coded mail is expected to be 24.3 cents.

The software stamps a postal bar code, a 2.5-inch strip of short vertical lines similar to a standard product identification code, on the lower right-hand corner of an envelope.

Sorter machines read the code at the post office with an optical scanning device, and the mail is then channeled to appropriate sorting bins.

Mail carriers do a final sorting before making...

2/3,K/11 (Item 1 from file: 654)
DIALOG(R)File 654:US Pat.Full.
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0004930938 **IMAGE Available
Postage meter machine, and method and system for enabling a postage meter machine

Inventor: Andreas Wagner, INV
Olav Zarges, INV

Assignee: Francotyp-Postalia AG & Co.(03)

Correspondence Address: Schiff Hardin & Waite Patent Department, 233 South Wacker Drive -6600 Floor Sears Tower, Chicago, IL, 60606, US

| | Publication Number | Kind | Date | Application Number | Filing Date |
|-------------|-----------------------|------|----------|-----------------------|----------------|
| Main Patent | US 20010042053 | A1 | 20011115 | US 2001855120 | 20010514 |
| Priority | | | | DE 10023145 | 20000512 |

Fulltext word Count: 3398

Abstract:

In a method and system for enabling a postage meter machine for franking postal matter, the postage meter machine having a base unit, a meter for the control and debiting of franking, and a printer unit, with an identification code, in order to satisfy the postal requirements of treating the printer unit like a meter...

...even when it is located outside the meter, as well as to prevent manipulations, the postage meter machine, after the coupling of base unit and meter and before initialization, is coupled to the data center, and that the identification code is transmitted to the data center. An enable code is transmitted from the data center to the postage meter machine for enabling the postage meter machine to generate frankings

Summary of the Invention:

...0002] The present invention is directed to a method for enabling a postage meter machine for franking postal matter, the machine being of the type having a base unit, a meter for controlling and debiting franking, and a printer unit, the printer unit having an identification code. The invention also is directed to a system for franking postal matter having a data center and at least one postage meter machine, as well as being directed to a postage meter machine by itself...

...intended and frankings can be generated. Such a data center is already provided in known mail processing systems in order to register data about registered postage meter machines and, for example, to reload postage values for generating frankings into a local postage meter machine via a remote query line. Inventively, the identification code is transmitted to this data center in order to register the current location of the...

Exemplary or Independent Claim(s):

1. A method for enabling a postage meter machine for franking postal matter comprising the steps of: providing a base unit with a printer unit, having an identification code, for printing franking imprints on postal matter respectively representing monetary values that are debited in an accounting unit...

...machine, establishing communication between said postage meter machine and a data center remote from said postage meter machine and transmitting said identification code from said postage meter machine to said data center; at said data center, evaluating said identification code and, if said identification code is valid, transmitting an enable code from said data center to said postage meter machine; and allowing said postage meter machine to frank postal items only after said enable code is transmitted to said postage meter machine...

...8. A system for franking postal items, comprising: a postage meter machine comprising a meter coupled to a base unit, with a printer unit in communication with said meter for producing franking imprints on postal items with respective values of said franking imprints being debited in an accounting unit in said meter, said printer unit having an identification code; a data center located remote from said postage meter machine; said postage meter machine having a communication arrangement which, after coupling said meter to said base unit...

...11. A postage meter machine comprising: a base unit; a meter coupled to said base unit and a printer unit in communication with said meter, said printer unit producing franking imprints on postal items with respective franking values debited in an accounting unit in said meter, said printer unit having an identification code; a communication arrangement adapted to establish communication between said postage meter machine and a data center remote therefrom which, after coupling said base unit and said meter and before initialization of said meter, transmits said identification code to said data center; and an enabling circuit allowing said printer unit to generate said franking imprints only after receipt of an enable code at said postage meter machine from said data center in response to transmission of said identification code.

2/3,K/12 (Item 2 from file: 654)
DIALOG(R)File 654:US Pat.Full.
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0004909982 **IMAGE Available
Derwent Accession: 2001-627682

Ginger R. DeMille

Postage meter machine with protected print head

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| Priority | | | | DE 10011192 | 20000308 |

Fulltext Word Count: 5171

Exemplary or Independent Claim(s):

...11. A print head adapted for removable insertion into a printer unit of a postage meter machine for franking postal items, said print head having a machine readable first identification code disposed thereon, and having a memory unit uniquely allocated to said print head in which a second identification code and a security code are stored, said security code being generated with a key code...

...12. A method for authentication of a print head for a postage meter machine for franking postal items comprising: disposing a machine readable first identification code on a print head; uniquely allocating a memory unit to said print head and storing...

?

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|------------------|
| L1 | 187 | windel "in." | US-PGPUB; USPAT | OR | ON | 2005/10/06 16:53 |
| L2 | 62 | l1 and frank\$ | US-PGPUB; USPAT | OR | ON | 2005/10/06 16:58 |
| L3 | 229 | (382/101).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/06 16:58 |
| L4 | 0 | ("l3andfrank\$").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/06 16:58 |
| L5 | 20 | l3 and frank\$ | US-PGPUB; USPAT | OR | ON | 2005/10/06 16:59 |
| S1 | 1 | ("4649266").PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:05 |
| S2 | 11 | ("3798360" "3824375" "3859508" "3890599" "3956615" "3978457" "3985998" "3990558" "4024380" "4253158" "4376299").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/18 16:11 |
| S3 | 11 | ("3798360" "3824375" "3859508" "3890599" "3956615" "3978457" "3985998" "3990558" "4024380" "4253158" "4376299").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/18 17:28 |
| S4 | 1 | ("5671146").PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:29 |
| S5 | 17 | ("3255439" "4129302" "4251874" "4347506" "4549281" "4746234" "4785417" "4807139" "4811234" "4812965" "4812994" "4864506" "5077660" "5181245" "5243654" "5585613").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/18 17:32 |
| S6 | 10 | ("5671146").URPN. | USPAT | OR | ON | 2004/11/18 18:01 |
| S7 | 1 | ("5838812").PN. | USPAT; USOCR | OR | OFF | 2004/11/18 18:03 |

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|-----|-----|---|------------------------------|----|-----|------------------|
| S8 | 33 | ("4821118" "4837422" "4926480" "4961142" "4993068" "4995086" "4998279" "5036461" "5054089" "5095194" "5109427" "5109428" "5144680" "5146102" "5168520" "5180901" "5191611" "5210588" "5210797" "5222152" "5229764" "5230025" "5239583" "5241606" "5251259" "5265162" "5276314" "5280527" "5321242" "5325442" "5335288" "5343529" "5351303").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/18 18:16 |
| S9 | 636 | (705/60,62,63,401,406,407,408,for101).CCLS. | USPAT; USOCR | OR | OFF | 2004/11/22 18:31 |
| S10 | 0 | ("I9andfrankingadjmark").PN. | USPAT; USOCR | OR | OFF | 2004/11/18 18:20 |
| S11 | 1 | S9 and franking adj mark | US-PGPUB; USPAT | OR | ON | 2004/11/18 18:21 |
| S12 | 37 | ("2688878" "2689082" "2708368" "2727391" "2812904" "3290491" "3436968" "3513444" "4516264" "4773029" "4868757" "5313404" "5331118" "5369258" "5460273" "5498114" "5528517" "5651445" "5656799" "5712787" "5719678" "5770841" "5793652" "5808912" "5822739" "5831202" "5878379" "5914464" "6006210").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/18 18:22 |
| S13 | 3 | (franking adj mark) near3 (post or postage or mail) | US-PGPUB; USPAT | OR | ON | 2004/11/18 18:44 |
| S14 | 636 | (705/60,62,63,401,406,407,408,for101).CCLS. | USPAT; USOCR | OR | OFF | 2004/11/22 09:35 |
| S15 | 6 | S14 and electronic adj stamp | US-PGPUB; USPAT | OR | ON | 2004/11/22 11:40 |
| S16 | 1 | ("3990558").PN. | USPAT; USOCR | OR | OFF | 2004/11/22 11:40 |
| S17 | 7 | ("3487905" "3570643" "3648020" "3655946" "3697729" "3845470").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/22 11:44 |
| S18 | 41 | ("3990558").URPN. | USPAT | OR | ON | 2004/11/23 13:14 |
| S19 | 0 | S18 and reading and verifying near2 franking adj mark | USPAT | OR | ON | 2004/11/22 12:16 |
| S20 | 1 | S18 and reading and verifying near2 mail | USPAT | OR | ON | 2004/11/22 12:24 |
| S21 | 645 | (mail or franking) near3 (identification or unique adj bit or string) | USPAT | OR | ON | 2004/11/22 12:29 |
| S22 | 91 | S21 and identification adj code | USPAT | OR | ON | 2004/11/22 12:26 |
| S23 | 247 | S21 and string | USPAT | OR | ON | 2004/11/22 12:29 |

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|-----|---------|--|------------------------------|----|-----|------------------|
| S24 | 3 | S21 and unique adj string | USPAT | OR | ON | 2004/11/22 12:27 |
| S25 | 193 | S21 and @py<"1999" | USPAT | OR | ON | 2004/11/22 12:30 |
| S26 | 4 | ("4649266" "4999481" "5375172" "5390251").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/22 13:12 |
| S27 | 40 | ("5390251").URPN. | USPAT | OR | ON | 2004/11/22 18:29 |
| S28 | 40 | ("5390251").URPN. | USPAT | OR | ON | 2004/11/22 18:30 |
| S29 | 0 | S28 and franking adj number | USPAT | OR | ON | 2004/11/22 18:30 |
| S30 | 0 | S28 and franking adj number | USPAT | OR | ON | 2004/11/22 18:31 |
| S31 | 0 | ("s9andfrankingadjnumber").PN. | USPAT; USOCR | OR | OFF | 2004/11/22 18:32 |
| S32 | 636 | (705/60,62,63,401,406,407,408,for101).CCLS. | USPAT; USOCR | OR | OFF | 2004/11/22 18:32 |
| S33 | 2463719 | S32 and franking number | US-PGPUB; USPAT | OR | ON | 2004/11/22 18:32 |
| S34 | 2 | S32 and franking adj number | US-PGPUB; USPAT | OR | ON | 2004/11/22 18:32 |
| S35 | 0 | franking near3 (user adj identification and unique adj code) | US-PGPUB; USPAT | OR | ON | 2004/11/23 12:37 |
| S36 | 0 | franking near3 (machine adj identification and unique adj code) | US-PGPUB; USPAT | OR | ON | 2004/11/23 12:37 |
| S37 | 0 | franking near3 (machine adj identification and unique adj string) | US-PGPUB; USPAT | OR | ON | 2004/11/23 12:38 |
| S38 | 636 | (705/60,62,63,401,406,407,408,for101).CCLS. | USPAT; USOCR | OR | OFF | 2004/11/23 12:38 |
| S39 | 2466027 | S38 and franking number | US-PGPUB; USPAT | OR | ON | 2004/11/23 12:38 |
| S40 | 1 | franking near3 user adj identification | US-PGPUB; USPAT | OR | ON | 2004/11/23 12:45 |
| S41 | 425875 | franking near3 franking adj number and user adj identification or code | US-PGPUB; USPAT | OR | ON | 2004/11/23 12:46 |
| S42 | 803848 | S41 band unique adj string | US-PGPUB; USPAT | OR | ON | 2004/11/23 12:47 |

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|-----|----|--|--|------------------------------|----|-----|------------------|
| S43 | 26 | S41 and unique adj bit near2 string | | US-PGPUB; USPAT | OR | ON | 2004/11/23 13:03 |
| S44 | 0 | franking and unique adj bit near2 string | | US-PGPUB; USPAT | OR | ON | 2004/11/23 13:03 |
| S45 | 0 | (franking adj mark) near3 (bit adj string and identification) | | USPAT | OR | ON | 2004/11/23 13:16 |
| S46 | 0 | (franking adj mark) near3 (identification and code) | | USPAT | OR | ON | 2004/11/23 13:17 |
| S47 | 1 | ("3792446").PN. | | USPAT; USOCR | OR | OFF | 2004/11/23 13:17 |
| S48 | 9 | ("3082402" "3305839" "3428948" "3501744" "3647972").PN. | | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/23 13:25 |
| S49 | 16 | ("3647972").URPN. | | USPAT | OR | ON | 2004/11/23 14:25 |
| S50 | 1 | ("5978781").PN. | | USPAT; USOCR | OR | OFF | 2004/11/23 14:29 |
| S51 | 0 | ("(frankingadjmark)near3(bitadjstringcodeorpinoralpa-numericorbarcodeorse quenceorseries)").PN. | | USPAT; USOCR | OR | OFF | 2004/11/23 14:32 |
| S52 | 0 | (frankingadjmark)near3(bit stringcodeorpinoralpa-numericorbarcodeorseorseries) | | US-PGPUB; USPAT | OR | ON | 2004/11/23 14:31 |
| S53 | 0 | ("(frankingadjmark)near3(bitadjstringcodeorpinoralpa-numericorbarcodeorse quenceorseries)").PN. | | USPAT; USOCR | OR | OFF | 2004/11/23 14:33 |
| S54 | 0 | ("frankingnear3(bitadjstringcodeorpinoralpha-numericornumberorbarcode)"). PN. | | USPAT; USOCR | OR | OFF | 2004/11/23 16:53 |
| S55 | 1 | ("5774554").PN. | | USPAT; USOCR | OR | OFF | 2004/11/23 16:53 |
| S56 | 1 | ("6308165").PN. | | USPAT; USOCR | OR | OFF | 2004/11/24 09:28 |
| S57 | 1 | ("5978781").PN. | | USPAT; USOCR | OR | OFF | 2004/11/24 09:29 |
| S58 | 1 | ("4649266").PN. | | USPAT; USOCR | OR | OFF | 2004/11/24 09:31 |
| S59 | 1 | ("5774554").PN. | | USPAT; USOCR | OR | OFF | 2004/11/24 09:39 |

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|-----|------|---|--|--------------------|----|-----|------------------|
| S60 | 1 | ("5390251").PN. | | USPAT; USOCR | OR | OFF | 2004/11/24 09:41 |
| S61 | 1 | ("6527178").PN. | | USPAT; USOCR | OR | OFF | 2004/11/24 09:41 |
| S62 | 636 | (705/60,62,63,401,406,407,408,for101).CCLS. | | USPAT; USOCR | OR | OFF | 2004/11/24 09:46 |
| S63 | 0 | S62 and message adj authentication | | US-PGPUB; USPAT | OR | ON | 2004/11/24 09:46 |
| S64 | 25 | S62 and message adj authentication | | US-PGPUB; USPAT | OR | ON | 2004/11/24 13:56 |
| S65 | 0 | franking adj mark near3 post adj payment | | US-PGPUB; USPAT | OR | ON | 2004/11/24 13:56 |
| S66 | 5857 | postage meter near3 post adj payment | | US-PGPUB; USPAT | OR | ON | 2004/11/24 13:57 |
| S67 | 4 | postage adj meter near3 post adj payment | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:14 |
| S68 | 1 | ("5375172").PN. | | USPAT; USOCR | OR | OFF | 2004/11/24 15:08 |
| S69 | 0 | postage adj meter near3 counter adj value | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:15 |
| S70 | 0 | postage adj meter near3 (counter adj value) | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:15 |
| S71 | 0 | franking adj mark near3 (counter adj value) | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:16 |
| S72 | 0 | franking adj mark near3 validity | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:16 |
| S73 | 2 | franking adj mark near3 valid | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:19 |
| S74 | 3 | franking adj mark and validation | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:20 |
| S75 | 8 | franking adj mark and combination | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:42 |
| S76 | 1 | franking adj mark near3 combination | | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:22 |

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|-----|----|--|--------------------|----|-----|------------------|
| S77 | 23 | postage adj meter near3 counter and (number or series or unique) | US-PGPUB; USPAT | OR | ON | 2004/11/24 15:44 |
| S78 | 13 | S77 and @py<"2000" | US-PGPUB; USPAT | OR | ON | 2004/11/24 16:21 |
| S79 | 2 | ("2774537").PN. | USPAT; USOCR | OR | OFF | 2004/11/24 16:23 |
| S80 | 0 | ("postageadjmeternear3(counterandnumber)").PN. | USPAT; USOCR | OR | OFF | 2004/11/24 16:24 |
| S81 | 10 | postage adj meter near3 (counter and number) | US-PGPUB; USPAT | OR | ON | 2004/11/24 16:54 |
| S82 | 1 | ("4649266").PN. | USPAT; USOCR | OR | OFF | 2004/11/24 17:20 |
| S83 | 0 | ("postageadjmeterandfrankingadjmarknear3expiration").PN. | USPAT; USOCR | OR | OFF | 2004/11/24 17:57 |
| S84 | 0 | (postage adj mark or franking adj mark) near3 expiration | US-PGPUB; USPAT | OR | ON | 2004/11/24 17:58 |
| S85 | 0 | (postage adj mark or franking adj mark) near3 validity | US-PGPUB; USPAT | OR | ON | 2004/11/24 17:59 |
| S86 | 0 | franking adj mark near3 expir\$ | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:00 |
| S87 | 0 | franking adj mark near3 expira\$ | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:00 |
| S88 | 0 | franking adj mark near3 period adj of adj validity | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:01 |
| S89 | 0 | franking adj mark near3 (period adj of adj validity) | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:01 |
| S90 | 0 | (franking adj mark) near3 (period adj of adj validity) | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:01 |
| S91 | 0 | (franking adj mark) and (period adj of adj validity) | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:01 |
| S92 | 1 | ("4376299").PN. | USPAT; USOCR | OR | OFF | 2004/11/24 18:15 |
| S93 | 0 | ("postageadjmarknear3(sortorsorting)").PN. | USPAT; USOCR | OR | OFF | 2004/11/24 18:29 |

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|------|--------|---|--------------------|----|----|------------------|
| S94 | 0 | postage adj mark near3 sort\$ | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:30 |
| S95 | 0 | franking adj mark near3 sort\$ | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:30 |
| S96 | 0 | franking adj mark near3 sorting | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:31 |
| S97 | 8 | franking adj mark and sorting | US-PGPUB; USPAT | OR | ON | 2004/11/24 18:31 |
| S98 | 8 | (US-4253158-\$ or US-3990558-\$ or US-3956615-\$ or US-5181245-\$ or US-4746234-\$ or US-5838812-\$ or US-5822739-\$ or US-5712787-\$).did. | USPAT | OR | ON | 2004/11/24 18:42 |
| S99 | 1 | S98 and sorting | US-PGPUB; USPAT | OR | ON | 2004/11/24 19:10 |
| S100 | 121 | postage adj meter and expiration | US-PGPUB; USPAT | OR | ON | 2004/11/24 19:11 |
| S101 | 65 | S100 and validity | US-PGPUB; USPAT | OR | ON | 2004/11/24 19:12 |
| S102 | 0 | (postage adj meter) and (central adj office) near5 (identification adj code) and (unique adj bit or unique adj id or unique adj identifier) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:30 |
| S103 | 0 | (postage adj meter) near5 (central adj office) near5 (identification adj code) and (unique adj bit or unique adj id or unique adj identifier) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:31 |
| S104 | 0 | (postage adj meter) near5 (central adj office) and (identification adj code) and (unique adj bit or unique adj id or unique adj identifier) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:31 |
| S105 | 1 | (postage adj meter) near5 (central adj office) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:35 |
| S106 | 19610 | (central adj office) and (unique adj identifier) or (unique adj identification) or (unique adj id) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:38 |
| S107 | 370776 | S106 and (identification adj code) or identification or (serial adj number) or (machine adj id) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:40 |
| S108 | 17566 | S106 and ((identification adj code) or identification or (serial adj number) or (machine adj id)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:40 |
| S109 | 13554 | S108 and unique near5 identification | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:41 |
| S110 | 53 | S109 and stored near5 ((central adj office) or (central adj database)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:59 |

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|----------|--------|---|------------------------------|----|----|------------------|
| S11 1 | 0 | S110 and ((franking adj mark) or (postage adj meter)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:45 |
| S11 2 | 97 | S109 and ((franking adj mark) or (postage adj meter)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:45 |
| S11 3 | 0 | S112 and stored near5 ((central adj office) or (central adj database)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 13:46 |
| S11 4 | 1 | S112 and ((central adj office) or (central adj database)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 14:57 |
| S11 5 | 798776 | (franking adj mark) or ((postal adj mark\$)and (unique adj identifier) or (unique adj identification) or (code or string or bit)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 15:00 |
| S11 6 | 328381 | S115 and ((central adj office) or (central database)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 15:01 |
| S11 7 | 71269 | S116 and stor\$ near3 ((central database) or (central adj office)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 15:03 |
| S11 8 | 4919 | S117 and ((identification adj code) or (identifier)) and ((unique adj identification) or (unique adj id)) | US-PGPUB; USPAT | OR | ON | 2005/05/12 15:07 |
| S11 9 | 7 | S118 and reading near3 mark | US-PGPUB; USPAT | OR | ON | 2005/05/12 15:08 |
| S12 0 | 13 | ("3701165" "3839637" "3942154" "3991706" "4623579" "4660221" "4767205" "4934846" "5289547" "5319562" "5390251" "5592561" "5798834").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/12 15:32 |
| S12 1 | 1 | "6851619" | US-PGPUB; USPAT | OR | ON | 2005/05/18 12:54 |
| S12 2 | 3 | "I1" and (terminal adj identification adj code) | US-PGPUB; USPAT | OR | ON | 2005/05/18 12:55 |
| S12 3 | 1 | S121 and (terminal adj identification adj code) | US-PGPUB; USPAT | OR | ON | 2005/05/18 13:01 |
| S12 4 | 0 | S121 and (printing adj identification adj code) | US-PGPUB; USPAT | OR | ON | 2005/05/18 13:01 |
| S12 5 | 0 | S123 and (printing adj identification adj code) | US-PGPUB; USPAT | OR | ON | 2005/05/18 13:02 |
| S12 6 | 0 | S123 and (device adj identification adj code) | US-PGPUB; USPAT | OR | ON | 2005/05/18 13:11 |

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|----------|---|---|--------------------|----|----|------------------|
| S12 7 | 1 | S123 and (user adj identification adj code) | US-PGPUB; USPAT | OR | ON | 2005/05/18 13:13 |
| S12 8 | 1 | S123 and valid | US-PGPUB; USPAT | OR | ON | 2005/05/18 13:14 |
| S12 9 | 1 | S123 and (counter adj value) | US-PGPUB; USPAT | OR | ON | 2005/05/18 13:48 |
| S13 0 | 0 | S123 and expired | US-PGPUB; USPAT | OR | ON | 2005/05/18 14:01 |
| S13 1 | 1 | S123 and post-payment | US-PGPUB; USPAT | OR | ON | 2005/05/18 14:09 |
| S13 2 | 1 | S123 and center | US-PGPUB; USPAT | OR | ON | 2005/05/18 14:10 |